

# Lenguajes de Programación

## Tarea 6: Problemas EXPLICIT-REFS

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**4.8[\*]. Show exactly where in our implementation of the store these operations take linear time rather than constant time.**

- Procedure like `setref!` take linear time because it will go through the list in store.

**4.9[\*]. Implement the store in constant time by representing it as a Scheme vector. What is lost by using this representation?**

- Solution implemented in `ex4-9.rkt`
- `newref` still in linear time. Allocating locations in constant time is posible by preallocating more locations in advance, but is more complicated.
- A disadvantage of using Scheme vector to implement the store is that sharing values can be difficult.

**4.10[\*]. Implement the `begin` expression as specified in exercise 4.4.**

- Solution implemented in `ex4-10.rkt`

**4.11[\*]. Implement `list` from exercise 4.5**

- Solution implemented in `ex4-11.rkt`